

Peak District National Park

Forecast valid from 00:00 on Friday 10 Nov 2023 until 23:59 on Saturday 11 Nov 2023

Forecast Issued on Thursday 09 Nov 2023 at 15:31

Confidence: High confidence for a cooler few days over the weekend with mist and fog causing some morning visibility hazards and frost expected, uncertainty in timing of mist and fog clearance in the morning. Further unsettled, wet and windy conditions expected early next week.

Headline for Friday 10 Nov 2023: Cold start to the day with mist and fog around dawn, sunny intervals developing in fresh Northwesterly winds.

Mountain weather hazards on Friday 10 Nov 2023

Blizzards

No Likelihood

Gales

No Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Partly cloudy (night)	Mist	Mist	Sunny intervals	Sunny	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
10%	10%	10%	10%	10%	10%	10%	10%

Forecast for Friday 10 Nov 2023

Weather: A few showers continuing overnight but dry by dawn with some mist and fog forming. A cool start to the day with frost in the north and some mist and fog will be slow to clear. Once this has cleared a settled sunny day is expected, perhaps more cloud developing later in the afternoon and evening and an odd shower is possible during the afternoon. During the evening mist and fog is likely to form.

Chance of cloud-free hill tops above 600m: 60% rising to 90% during the morning.

Low cloud and visibility: Early low cloud will affect visibility and inversions are possible at low level especially around more norther hills, with clear conditions possible on the summits. By mid morning very little low level cloud is expected with excellent views likely. Cloud thickening and lowering in any afternoon showers and visibility may become good or moderate by late afternoon. If fog forms visibility will become poor again at low level during the evening.

Forecast for Friday 10 Nov 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/24 SW	12/15 SW	7/10 W	9/14 NW	13/19 NW	16/23 W	14/20 W	14/20 W	13/19 W
300	14/20 SW	7/11 SW	5/7 W	7/11 NW	12/18 NW	13/20 W	11/18 W	11/17 W	10/16 W
Valley	8/17 SW	4/9 SW	2/5 W	4/9 NW	9/17 NW	8/18 W	5/13 W	6/13 W	5/11 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-4	2/-2	2/-1	2/-2	3/-2	3/-2	2/-3	2/-3	2/-3
300	4/-0	4/1	4/2	4/1	6/2	6/2	5/1	4/1	4/1
Valley	5/2	4/3	4/3	5/3	6/4	6/4	5/3	4/2	4/2
Freezing Level*	1000m	1000m	1000m	900m	800m	900m	1000m	1000m	1000m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Feeling chilly in fresh northerly winds especially in early mist and fog, feeling warmer in the Autumn sunshine later.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 09 Nov 2023	1.8mm	8.6mm	31.4mm

Forecast for Saturday 11 Nov 2023

Weather: Mist and fog, or even freezing fog, are likely to occur again on Saturday morning with some frost expected in sheltered areas. It will become mainly dry and bright with a lot of sunshine. Still feeling chilly in the northerly winds.

Maximum wind: Northerly 10-15mph, becoming easterly 5-10mph later.

Chance of cloud-free hill tops above 600m: 50% rising to 90%, early low level cloud.

Low cloud and visibility: Early inversions are possible with low level cloud and good visibility at height. Cloud will lift and clear to give excellent visibility and good clarity of air for much of the day.

Temperature: **Valleys:** Zero Celsius rising to 7 Celsius.
At 600m: Zero rising to Plus 5 Celsius.
Freezing level: Around 1000m